

## CLAIMS

What is claimed is:

1. A G protein-coupled receptor encoded by an amino acid sequence of  
5 SEQ.ID.NO.:2.
2. A non-endogenous, constitutively activated version of the G protein-coupled  
receptor of claim 1.
3. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:1.
4. A host cell comprising the plasmid of claim 3.
- 10 5. A G protein-coupled receptor encoded by an amino acid sequence of  
SEQ.ID.NO.:4.
6. A non-endogenous, constitutively activated version of the G protein-coupled  
receptor of claim 5.
7. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:3.
- 15 8. A host cell comprising the plasmid of claim 7.
9. A G protein-coupled receptor encoded by an amino acid sequence of  
SEQ.ID.NO.:6.
10. A non-endogenous, constitutively activated version of the G protein-coupled  
receptor of claim 9.
- 20 11. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:5.
12. A host cell comprising the plasmid of claim 11.
13. A G protein-coupled receptor encoded by an amino acid sequence of  
SEQ.ID.NO.:8.

14. A non-endogenous, constitutively activated version of the G protein-coupled receptor of claim 13.
15. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:7.
16. A host cell comprising the plasmid of claim 15.
- 5 17. A G protein-coupled receptor encoded by an amino acid sequence of SEQ.ID.NO.:10.
18. A non-endogenous, constitutively activated version of the G protein-coupled receptor of claim 17 .
19. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:9.
- 10 20. A host cell comprising the plasmid of claim 19.
21. A G protein-coupled receptor encoded by an amino acid sequence of SEQ.ID.NO.:12.
22. A non-endogenous, constitutively activated version of the G protein-coupled receptor of claim 21.
- 15 23. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:11.
24. A host cell comprising the plasmid of claim 23.
25. A G protein-coupled receptor encoded by an amino acid sequence of SEQ.ID.NO.:14.
26. A non-endogenous, constitutively activated version of the G protein-coupled receptor of claim 25.
- 20 27. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:13.
28. A host cell comprising the plasmid of claim 27.
29. A G protein-coupled receptor encoded by an amino acid sequence of SEQ.ID.NO.:16.

30. A non-endogenous, constitutively activated version of the G protein-coupled receptor of claim 29.
31. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:15.
32. A host cell comprising the plasmid of claim 31.
- 5 33. A G protein-coupled receptor encoded by an amino acid sequence of SEQ.ID.NO.:18.
34. A non-endogenous, constitutively activated version of the G protein-coupled receptor of claim 33.
35. A plasmid comprising a vector and the cDNA of SEQ.ID.NO.:17.
- 10 36. A host cell comprising the plasmid of claim 35.